Milt Design
Relocatable partitions
**Design**

The high level of workmanship, functional variability and broad palette of surface materials of the MILT DESIGN system ensure the high aesthetic value and representative nature of your new interior. The design of the glazed partition walls represent top of the line in the field. There are no vertical columns between the panes, and in this way they give the wall a lightness and wholeness, without disruptive elements. The glazed, undivided surfaces allow maximum transparency and visual contact, but they preserve a high level of soundproofing and therefore privacy.

**Possibilities of use**
- highly representative spaces
- administrative office buildings
- innovation centres
- technology and development parks
- multifunctional buildings
- training centres
Design inspiration

As a result of the exacting demands of designers and architects for an exclusive interior, processing of details and functionality, double-glazed partition walls were designed and developed with a system of prismatic and design frames with a high level of soundproofing. The emphasis on quality of workmanship and attention to the smallest details ensures the harmonic combination of functionality and top design, along with the exacting aesthetic demands for the overall solution of the interior.

Possibilities for versions of modules
- glazed modules glass 2x ESG
- glazed modules glass 2x VSG
- door modules (21 types in standard)
- design Door modules, Angle modules
- solid vertical modules
- solid modules with horizontal structuring
Metallic and pastel surfaces

The partition wall system MILT DESIGN offers a wide range of surface and colour possibilities. The surface of solid doors can be made of natural veneers, metallic surfaces, laminated pastel decor or imitation wood surfaces. Depending on the requirement of the customer, glazed modules are supplied in a clear version or with tinted glass. The surface of the glass can be covered with a matte, sandblasted or colour film or with a digital print. In order to preserve visual communication and the possibilities of the privacy of internal spaces, we recommend the use of venetian blinds between the panes or LCD dimming film.

Surfaces of solid doors
- CPL laminate
- HPL laminate
- veneer decoration (maple, wenge, zebrano, oak etc.)
- metallic laminate
- sprayed surface according to RAL
Architectonic solutions

Preparing a visualisation of new layouts and the interior will always afford you a more accurate impression of the future layout of the new office spaces and appearance of the interior. Our designers will discuss your requirements with you, they will incorporate them precisely in the design and submit to you a visualisation with a proposal for the solution. The surface finish and colour of the partition walls is always designed with regard to colour unification with the designed interior. In contrast we can also design such solutions where, for example, the glass panels become an elegant dominant feature of your new premises.

Possibilities for glass treatment
- sand-blasted glass
- matte or coloured film
- crystal film treatment
- silk-screen printing
- glass with LEDs
- tinted film applied to glass
Functionality of design and soundproofing

Depending on the kind of operation it is possible to select a suitable type of partition wall in a version meeting the requirements for functionality, design and soundproofing. The main advantage of implementation of layouts using transferable partition walls is the easy change to the interior in the future using the existing modules. Thanks to this you can simply adjust partition walls in the event of a change of requirements for the division of your space and thus save considerable costs compared with conventional construction.

Possibilities of single doors
- single door solid for full length
- solid single door with panel above
- all-glass single door
- single door with double glazing and blinds between the panes of glass
- Design single door
The exacting demands on design and variability of internal layouts can be met simply by using the MILT DESIGN transferable partition walls. At the moment of a requirement for a change in the arrangement of layout, the modular system of wall partitions can be interchanged or moved around according to the new layout. The partition walls consist of glazed and solid modules with door segments.

Possibilities of double doors
- double door solid for full length
- double door solid with panel above
- all-glass double door
- double door with double glazing and blinds between the panes

You create variability simply.
Soundproofing

On the basis of requirements of the customer, we will propose a technical solution which to the maximum possible extent takes into account future operation from the aspect of noise comfort in the interior. The selected variant will always reflect the architectonic plan, the ideas of the client, and the requirements for design and functionality. In this way it will minimise any future costs caused by subsequent building alterations. As a result of the spread of noise via neighbouring routes in the buildings, it is essential to eliminate this factor at the design phase of the interior, and the solutions from MILT are wholly unique from this aspect.

Requirements of norm

Minimal required sound insulation of separating constructions of walls in buildings:
- regular spaces of office and workroom with technical activity: $R_w = 37$ dB
- conference rooms, classrooms, offices, auditoria: $R_w = 47$ dB
The production of components for transferable partition walls utilises the latest ecologically friendly technology. We offer a five-year guarantee for the delivered systems because we are sure of the quality offered. The delivered partition systems meet the most demanding requirements for workmanship, as is evidenced by the satisfaction of our clients. For all our solutions we provide servicing, which mostly concerns future requirements for quick changes to layouts and the interior.

Advantages of use
- higher standard of design for interior with glass walls
- rapid, dust-free assembly of partition walls
- easy change of layout in future
- possibility of future change of glass modules for solid fills and vice versa
Acoustic MILT DESIGN glass walls significantly help bring light into the internal spaces of representative buildings of a production company’s training centre, and they provide excellent soundproofing for different areas so that there is no transmission of noise in accord with the required norms. Electrically controled venetian blinds or horizontal roller blinds between the panes can constitute a part of the double glazing.

comfort and visual connection of spaces

For projects with exacting demands for the resultant soundproofing, in order to eliminate sound transmission via neighbouring routes, at the place of contact between the partition wall and suspended ceiling and double floors a sound baffle (vertical baffle) is necessary.
Separation of spaces

The solution MILT DESIGN with ANGLE modules can be used in order to create meeting rooms in large office buildings with atypical layouts. This unique solution with Design frames for double glazing allows the ensuring of a high level of soundproofing Rw of partition walls whilst maintaining visual communication. In order to reduce the noise level in new spaces we recommend the use of acoustic soffits, which significantly reduce the reverberation time in the room so there is no unpleasant echo.

Possibilities of glass corners
- Angle module
- right angle module with perpendicular connection of glass
- right angle module with slanting connection of glass
- use of standard AL corner profile.
Harmony

For implementation of new representative spaces with a unique solution of MILT DESIGN partition walls we recommend solutions with Design Door, which offer a wholly innovative solution with doors in a glass partition wall with double glazing. The use of glass modules in combination with solid wall modules with a horizontal division of segments and high gloss finish allows the creation of modern representative interiors.

Possibilities of metal fittings, electric locks
- divided rosettes metalwork brushed stainless steel
- vertical two-sided handle
- stainless steel metalwork on frameless partition walls in 3 basic versions
- electromechanical lock Abloy EL 460, BeFe
**Technical details**

Most commonly used methods for connecting MILT partition walls to soffit and double floor:

![Diagram of partition wall connections](image)

**Technical description of partitions MILT DESIGN**

**Construction**
The partition consists of aluminium perimeter profiles, glass, solid fills and door modules.

**Aluminium profiles**
Surface finish natural elox or according to RAL, metallic colours Tiger.

**Glass fills**
Clear double or single glazing. Possibility of sandblasted fills, application of matte or colour film, glass with electroluminescent white or coloured diodes, dimming electric film.

**Solid fills**
Plasterboards coated with Durafort vinyl film (300 colours), laminated boards (pastel colours and wood decor), veneer boards, metallic surfaces with internal soundproofing.

**Modules**
As standard glass and solid modules have a width of 1000 – 1200 mm, exceptionally up to 1400 mm. Filler modules can be made in a dimension of multiples of 100 mm.

**Door modules**
For single and double doors axis width according to width of frame module.

**Connection of modules**
Connection between glass parts without use of vertical columns between the modules, connection in 2 possible alternatives with regard to the required soundproofing.

**Blinds between panes**
Horizontal or vertically with electric control. Switch on frame or remote control. Possibility of central remote control too.

**Doors**
Single or double opening (with panel above door), sliding manually and by photo-electric cell. Production in standard dimensions, atypical is also possible.

**Metalwork**
According to the requirements of the customer, as standard divided stainless steel rosettes stainless steel RICHTER, handle – handle.

**Lock**
As standard HOBES, according to customer requirements electromechanical lock Abylo, or Befo.

**Securing of partition walls**
Partition walls secured between floor and lower panelled or plasterboard soffit (or directly to ceiling construction).

**Spread of sound via surrounding constructions**
For projects with exacting demands for the resultant soundproofing, in order to eliminate sound transmission via surrounding constructions, at the place of contact between the partition wall and suspended ceiling and double floors and acoustic vertical barrier is necessary - see previous page.

**Parameters of partition walls MILT DESIGN**

<table>
<thead>
<tr>
<th>solid partition walls</th>
<th>glass partition walls</th>
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<tbody>
<tr>
<td>width of module</td>
<td>100–1200 mm</td>
</tr>
<tr>
<td>height of partition wall</td>
<td>≤ 3000 mm</td>
</tr>
<tr>
<td>thickness of partition wall</td>
<td>150 mm</td>
</tr>
<tr>
<td>soundproofing Rw (dB)</td>
<td>44 dB, 46 dB, 48 dB</td>
</tr>
<tr>
<td>vertical connection of modules without aluminium profile</td>
<td>Yes</td>
</tr>
<tr>
<td>vertical connection of modules with visible aluminium profile</td>
<td>is possible</td>
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</tbody>
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**Technical details (cad)**
Information about the sending of source data with processed standardised solutions and details from our technical library is available upon request.
Basic door modules

- SINGLE DOOR SOLID FOR ENTIRE HEIGHT
- SINGLE DOOR GLAZED WITH ALUMINIUM FRAME FOR ENTIRE HEIGHT
- SINGLE DOOR GLAZED FOR ENTIRE HEIGHT
- SINGLE SOLID DOOR IN DESIGN DOOR FRAME
- DESIGN SINGLE DOOR GLAZED WITH CONCEALED FRAME IN DESIGN DOOR FRAME WITH COLUMNS
- SINGLE DOOR GLAZED WITH ALUMINIUM FRAME WITH COLUMNS
- DESIGN SINGLE DOOR GLAZED WITH CONCEALED FRAME FOR ENTIRE HEIGHT
- SINGLE SOLID DOOR WITH PANEL ABOVE DOOR
- SLIDING SINGLE DOOR GLAZED FOR ENTIRE HEIGHT WITH VERTICAL HANDLE
- SLIDING SINGLE DOOR GLAZED WITH DESIGN FRAME TO HEIGHT 2200 MM
- DOUBLE DOOR GLAZED WITH ALUMINIUM FRAME FOR FULL HEIGHT
- DOUBLE DOOR GLAZED FOR FULL HEIGHT
- DOUBLE DOOR GLAZED WITH ALUMINIUM FRAME WITH COLUMNS
- SINGLE DOOR GLAZED COMPLETELY IN DESIGN DOOR FRAME
- DESIGN SINGLE DOOR GLAZED WITH CONCEALED FRAME IN DESIGN FRAME
- SINGLE DOOR GLAZED WITH ALUMINIUM FRAME IN DESIGN DOOR FRAME
- DOUBLE SOLID DOOR FOR FULL HEIGHT
- SINGLE SOLID DOOR FOR FULL HEIGHT WITH SIDE INSTALLATION PANEL
- PERPENDICULAR CONNECTION OF DOUBLE GLASS PARTITION WALLS IN DESIGN